Title (en)

GENERATING AN IMAGE OF A THREE-DIMENSIONAL OBJECT

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ZEICHNEN VON BILDERN DREIDIMENSIONALER OJEKTE

Title (fr)

GENERATION D'UNE IMAGE D'UN OBJET TRIDIMENSIONNEL

Publication

EP 0990224 B1 20020828 (EN)

Application

EP 98930876 A 19980617

Priority

- EP 98930876 A 19980617
- EP 97304217 A 19970617
- GB 9801772 W 19980617

Abstract (en)

[origin: WO9858351A1] A method of generating an image representing a three-dimensional object, the three-dimensional object being modelled as a stored set of parameters representing a model of a three-dimensional object and at least two two-dimensional images of the object, each image representing the object from a unique direction of view (x, y, z). The parameters comprise parameters defining the positions of a plurality of vertex points (101) in a virtual space and parameters defining relationships between vertex points and hence surface elements (102) of the object. For at least a subset of the surface elements (102) a measure relative to each direction of view is determined, each said measure being representative of the deviation of the surface of the element from the normal to the direction of view. The direction of view which exhibits the least said deviation is then identified and texture applied to the surface element from the two-dimensional image which corresponds to the identified direction of view.

IPC 1-7

G06T 15/10

IPC 8 full level

G06T 15/04 (2011.01); **G06T 15/10** (2011.01); **G06T 17/10** (2006.01)

CPC (source: EP US)

G06T 15/04 (2013.01 - EP US); **G06T 15/10** (2013.01 - EP US); **G06T 17/10** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

WO 9858351 A1 19981223; AU 8116498 A 19990104; DE 69807479 D1 20021002; DE 69807479 T2 20030410; EP 0990224 A1 20000405; EP 0990224 B1 20020828; GB 2341070 A 20000301; GB 2341070 B 20020227; GB 9927913 D0 20000126; US 6549200 B1 20030415

DOCDB simple family (application)

GB 9801772 W 19980617; AU 8116498 A 19980617; DE 69807479 T 19980617; EP 98930876 A 19980617; GB 9927913 A 19991125; US 12514198 A 19980811